



INSTRUCTIONS FOR MEASURING BELT LENGTHS

97141 – 97164

NOTE: PLEASE FOLLOW THESE INSTRUCTIONS AFTER THE MOCK UP AND FINAL POSITIONING OF VACUUM PUMP, ALTERNATOR AND ANY OTHER ACCESSORIES DRIVEN OFF THE FRONT OF THE MOTOR HAVE BEEN COMPLETED.

1. **Determine the number of teeth** on the crank mandrel pulley being used to drive the accessory. (Referred to as Drive Pulley for the rest of this instruction.)

NOTE: THE MOROSO ALTERNATOR PULLEY 23556 HAS 20 TEETH AND THE STANDARD 23540 VACUUM PUMP PULLEY HAS 40 TEETH.

2. **Mount accessory in position.**
Install accessory into mounting bracket at the end of its adjustment, placing the pulleys closest together (toward the centerline of the engine) as much as possible.

3. **Measure center to center distance.**
Measure the distance between the center of the pulley on the accessory to the center of the crankshaft mandrel. (This is the straight distance between the two shafts.)

4. **Use the measurement chart.**
On the Radius Tooth Belt Application Chart, in the MOROSO catalog, select the pulley center-to-center distance that is closest to the one you measured. If you are between two measurements, round up to the next closest distance. I.E. if you measure 9.3", round up to 9.5".

Read across the chart and find the correct pulley for your application. (NOTE: 20 tooth alternator pulleys use 40 tooth drive pulleys.)

5. **Select the belt length that is closest to the length in the chart without being smaller.**

NOTE: The measurement should be the smallest possible center to center distance, allowing the belt size to be the next larger size.

I.E. You measure 9.3" center to center and round to 9.5". You have a 26 tooth drive pulley. The chart gives you a 29.2" belt length. Looking at the belts, the P/N 97151 belt is 29.9" long. This is the belt for your application.

**For Technical Assistance, Call Moroso's Tech Line at
(203) 458-0542, 458-0546 8:30am – 5:00pm Eastern Time**

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